



HAWK-EYES

# HAWK-EYES



IN designing the 1904 Hawk-Eyes, we have carefully considered what is expected of them, studied the conditions under which they must be used, and then constructed them to meet those requirements; so each Hawk-Eye has special features which will be found advantageous in using the outfit.

Our entire line of Hawk-Eyes is fully described and illustrated in the following pages, and we invite your careful perusal. We solicit the correspondence of the public and all dealers and will gladly extend to them any information we can that will be of assistance in making a selection.

We thank our friends for their valued patronage in the past and trust that our future relations will prove equally as pleasant.

BLAIR CAMERA COMPANY,  
Rochester, N. Y.

June 1st, 1904.

## How Hawk-Eyes are Made.

Hawk-Eyes are built on the interchangeable plan; every part is standard so that no fitting is required, and a part taken from one Hawk-Eye is interchangeable with a corresponding part from a similar model.

The wood parts are built up of sectional pieces, which prevents all warping, shrinking or swelling.

All material used is the best obtainable, as experience has taught us that quality should be considered before cost when selecting stock to be used in manufacturing.

### Film.



Hawk-Eyes are constructed to use Blair Transparent Cartridge Film or Eastman's. The tourist, therefore, would have no trouble in obtaining supplies as they can be purchased in any part of the world where photographic materials are sold.

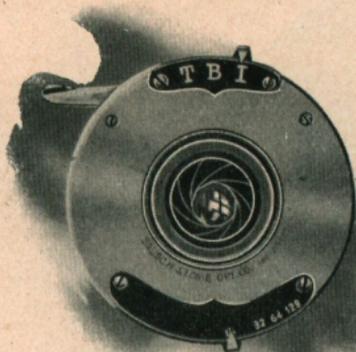
The Blair Transparent Cartridge Film and the Eastman are put up in the same manner, each having a strip of black paper running the entire length of the film and extending beyond the length of the film on either end sufficiently so as to cover it thoroughly and exclude the light from coming in contact with the sensitive surface. On the back of this paper are printed numbers which pass in front of the ruby window in the back of the Hawk-Eye, and tell the user when the film is in position for the exposure; also giving the number, it enables the operator to know how many exposures have been made.

After the exposures have all been made and the supply spool has been emptied, the back of the Hawk-Eye may be removed and the film taken out, no dark room being necessary.

Care should be used, however, both in loading and unloading the camera, to see that the black paper is wound tightly. If

the paper is allowed to loosen on the spool, the light will reach the sensitive surface of the film next to the flanges and fog it.

Blair Transparent Cartridge films are furnished in six and twelve-exposure lengths. They are arranged to be developed in the Kodak Developing Machine by following the instructions accompanying each roll.

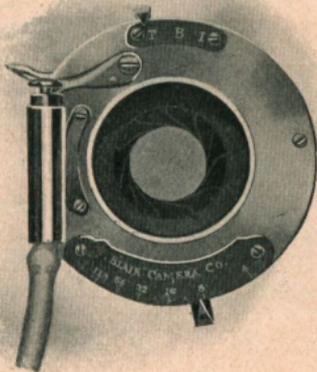


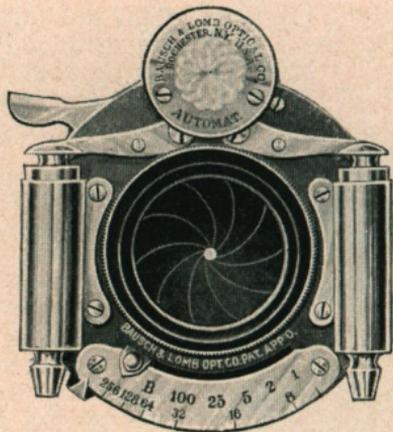
### Shutter Used on No. 3 Weno Hawk-Eye.

This shutter is automatic, has an Iris diaphragm and is arranged to make instantaneous, time or bulb exposures. Manufactured expressly for us by the Bausch & Lomb Optical Co. It's as perfect as a watch.

### Shutter used on No. 3 Folding Hawk-Eye. Model No. 1.

This shutter is convenient, simple and perfect in its construction, dainty in its appearance, and the highest grade in single valve type. It has both finger and bulb release, making an exposure when set on "I" of about  $\frac{1}{50}$  of a second. "T" indicates time, requiring one pressure to open and another to close. "B" is a time exposure in reality, the shutter remaining open as long as the pressure is held on the bulb or the finger release is held down. Regularly furnished on the No. 3 Folding Hawk-Eye, Model No. 1.





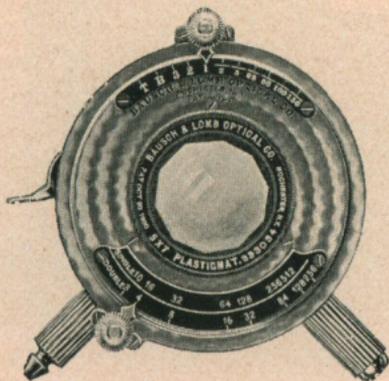
## B. & L. Automatic Shutter.

Furnished as Regular Equipment on the following Hawk-Eyes :

- No. 3 Folding Hawk-Eye, Model No. 2.
- No. 3 Combination Hawk-Eye.
- No. 4 Folding Hawk-Eye, Model No. 1.
- No. 4 Folding Hawk-Eye, Model No. 2.

A shutter of the highest grade, strictly automatic, with speeds ranging from one second to  $\frac{1}{100}$  of a second; also time and bulb. An Iris diaphragm allows the aperture to be changed at will. We recommend this shutter for use with anastigmat lenses.

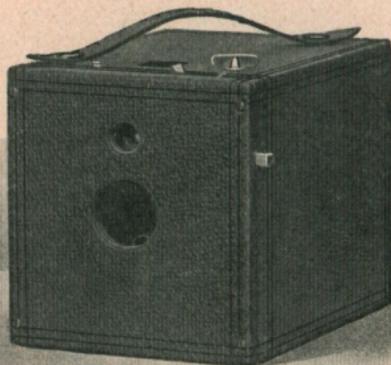
No. 1, B. & L. Automatic Shutter, . . . . \$10.00



## B. & L. Volute Shutter.

Volute represents the highest type of diaphragm shutter. It is very rapid, compact, convenient, dust proof and durable. It gives exposures from  $\frac{1}{150}$  to 3 seconds, also bulb and time exposures.

No. 1, B. & L. Volute Shutter, . . . . \$17.00



## No. 2 Weno Hawk-Eye.

Dimensions,  $4\frac{1}{4} \times 4\frac{1}{2} \times 5\frac{1}{2}$  inches

Size of photo,  $3\frac{1}{2} \times 3\frac{1}{2}$  inches

Weight, 20 ounces

Capacity, 12 exposures

Achromatic set focus lens with focal length of  $4\frac{1}{2}$  inches.

### Price List

No. 2 Weno Hawk-Eye, not loaded . . . . .	\$5.00
Blair Transparent Cartridge Film, 6 exposures, $3\frac{1}{2} \times 3\frac{1}{2}$	.30
Blair Transparent Cartridge Film, 12 exposures, $3\frac{1}{2} \times 3\frac{1}{2}$	.60
Weno Hawk-Eye Portrait Attachment . . . . .	.50
Black Sole Leather Carrying Case, with Shoulder Strap .	1.25

## No. 2 Weno Hawk-Eye.

This little Hawk-Eye is the most moderate priced camera which we offer, and although simple in construction it embodies many improvements not included with cameras that are furnished for twice this amount. Being in box form it is always ready for making an exposure, and many times a snap shot can be obtained under circumstances where it would be impossible to adjust a camera of folding type for making the exposure.

The lens is an achromatic set focus of sufficient length to avoid distortion. A set of three diaphragm stops for reducing or enlarging the lens aperture permits the regulation of the volume of light passing through the lens when making an exposure and allows making properly timed negatives under varying conditions.

When making "snap-shots" the shutter is always set and but one pressure is necessary to make the exposure; which enables the operator to make pictures of moving objects, landscapes or stationary subjects. For time exposures the shutter is operated in a similar manner, requiring one pressure to open and another pressure to close it, thus permitting any length of exposure desired.

The covering is of morocco grain leather, and all metal parts of nickel finish. A square brilliant finder for centering the object, also a socket for tripod is provided. All parts are intact and when loading or unloading the possibility of losing a ratchet, rod or cover is avoided.

The film adapted for use in this Hawk-Eye is No. 2 Bulls-Eye Blair Transparent Cartridge Film, also Kodak Film if desired.

**A complete camera at a small cost, very desirable for the beginner.**



## No. 3 Weno Hawk-Eye.

Dimensions,  $4\frac{3}{4} \times 5 \times 6\frac{3}{8}$  inches

Size of photo,  $3\frac{1}{4} \times 4\frac{1}{4}$  inches

Weight, 24 ounces

Capacity, 12 exposures

Achromatic Meniscus set focus lens, with focal length of 5 inches.  
 Shutter—Bausch & Lomb Automatic, Time, Bulb and Instantaneous  
 exposure, Iris Diaphragm.

### Price List

No. 3 Weno Hawk-Eye, not loaded . . . . .	\$9.00
Blair Transparent Cartridge Film, 6 exposures, $3\frac{1}{4} \times 4\frac{1}{4}$	.35
Blair Transparent Cartridge Film, 12 exposures, $3\frac{1}{4} \times 4\frac{1}{4}$	.70
Weno Hawk-Eye Portrait Attachment . . . . .	.50
Black Sole Leather Carrying Case, with Shoulder Strap	1.50

## No. 3 Weno Hawk-Eye.

The No. 3 Weno Hawk-Eye may be called the "Ever Ready," as it is fitted with an automatic shutter and a universal focus lens. The lens used in this Hawk-Eye is a set focus Meniscus Achromatic type and has wonderful covering power, giving excellent detail and depth of focus to cover any object from eight feet to any distance required. It is so constructed as to obviate the usual distortion found in pictures made with single lenses.

Both horizontal and vertical brilliant finders showing the exact field covered by the lens enables the operator to center the subject accurately. The advantage of having a rectangular picture cuts out an unnecessary amount of foreground when making landscapes and general views, and in case a tall building or a portrait is made, the vertical position produces a better effect. Sockets for attaching to tripod in either position are furnished.

The shutter, a very important feature of a camera, a description and illustration of which will be found on page 3, is the latest improved Bausch & Lomb Automatic, fitted with Iris diaphragm and time, bulb, and instantaneous exposures, giving the user the same advantages as on higher priced outfits of the folding type. It's "up-to-date" and "ever ready."

Nickel trimmings and the best grade of morocco grain leather give the "Ever Ready" a neat and rich finish. Construction is such that the loading is the simplest, as the box telescopes, allowing the film to be placed in position without removing any clamps, screws or rods. This Hawk-Eye uses No. 3 F. P. K. Blair Transparent Cartridge Film, also No. 3 Folding Pocket Kodak Film.

**Popular size, neat appearance and "Ever Ready."**



## No. 4 Weno Hawk-Eye.

Dimensions, 5 x 5 $\frac{3}{4}$  x 6 $\frac{1}{2}$  inches

Size of Photo, 4 x 5 inches

Weight, 28 ounces

Capacity, 12 exposures

Achromatic Meniscus set focus lens with focal length of 5 inches.

### Price List

No. 4 Weno Hawk-Eye, not loaded . . . . .	\$8.00
Blair Transparent Cartridge Films, 6 exposures, 4 x 5 . . . . .	.45
Blair Transparent Cartridge Films, 12 exposures, 4 x 5 . . . . .	.90
Weno Hawk-Eye Portrait Attachment . . . . .	.50
Black Sole Leather Carrying Case, with Shoulder Strap . . . . .	1.50

## No. 4 Weno Hawk-Eye.

Attention is called to the fact that this Hawk-Eye is only about one-half the size of the ordinary 4 x 5 non-folding camera. In construction it resembles to a certain extent the Hawk-Eye as described on page 9.

Manufacturers have in the past been unable to produce a lens of universal focus of covering capacity sufficient for this size, but through our efforts we have obtained a set focus Meniscus Achromatic lens which we can guarantee to cover the field under any conditions and produce a 4 x 5 negative of wonderful sharpness, from eight feet to any distance required, at the same time obtaining great depth without distortion.

The shutter is of rotary design, evenly balanced, and works accurately when the camera is in a horizontal or vertical position; requiring only one pressure to make a "snap-shot" exposure; being of the simplest design, it can be readily operated by a beginner. Time exposures are equally as simple; set the shutter on time and give one pressure to open and one to close, thus enabling the operator to make any length of exposure desired.

Diaphragm stops with small, medium and large openings are provided. Both horizontal and vertical brilliant finders, showing the exact field covered by the lens, are placed in position for centering the object accurately. The vertical finder is of great advantage in making views of tall buildings, or any object of great height, while the horizontal will be found desirable for ordinary subjects or landscapes.

Sockets for attaching to tripod, in either position, are furnished. Nickel fittings, morocco grain covering and fine workmanship throughout make this a very desirable outfit for those who prefer a picture of rectangular form and of popular size. Made to use No. 4 Bulls-Eye Blair Transparent Cartridge Film or No. 4 Bulls-Eye Kodak Film in six and twelve exposures.

**The most compact 4 x 5 non-folding film camera in existence.**



## No. 3 Folding Hawk-Eye.

Model No. 1

Dimensions, 2 x 4½ x 7⅞ inches

Size of photo, 3¼ x 4¼ inches

Weight, 22 ounces

Capacity, 12 exposures

Double Rapid Rectilinear Lens with focal length of 5 inches ;  
Automatic Shutter.

### Price List

No. 3 Folding Hawk-Eye, Model No. 1, with Double R. R. lens, not loaded . . . . .	\$15.00
No. 3 Folding Hawk-Eye, with Single Set Focus Achromatic Meniscus Lens, not loaded . . . . .	13.50
Blair Transparent Cartridge Film, 6 exposures, 3¼ x 4¼ . . . . .	.35
Blair Transparent Cartridge Film, 12 exposures, 3¼ x 4¼ . . . . .	.70
Portrait Lens Attachment . . . . .	.50
Black Sole Leather Carrying Case, with Shoulder Strap . . . . .	1.25
Glass Plate Attachment (only) . . . . .	2.50
Single Glass Plate Holder . . . . .	.50

# No. 3 Folding Hawk-Eye.

## Model No. 1

The No. 3 Folding Hawk-Eye camera has a pneumatic release automatic shutter, with Iris diaphragm stops, which is the latest production of the Bausch & Lomb Optical Company. This shutter is always set and can be released by lever or bulb for instantaneous, bulb or time exposures. The Iris diaphragm stops enable the operator to gauge the size of the opening according to the strength of light.

The lens supplied with the regular equipment is a double rapid rectilinear of great depth and covering capacity. For those who prefer a lens of universal focus that does not require the judgment of distances or the use of a focusing scale, we furnish a single achromatic Meniscus, which produces pictures of extreme sharpness of all objects over eight feet distant.

All folding Hawk-Eyes have brilliant reversible finders, mounted in mahogany, and carefully adjusted, covering the entire field of the lens, thus showing just what is included in the picture.

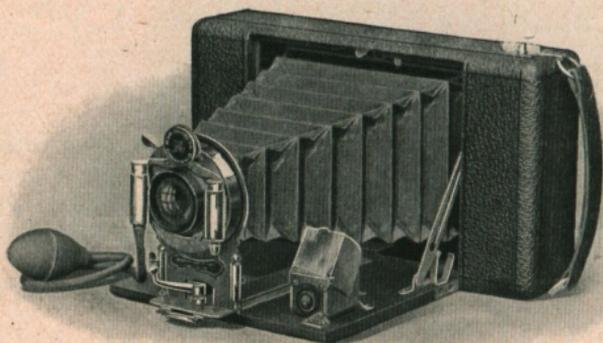
Tripod sockets for both horizontal and vertical time exposures are provided, which improvement is not embodied in any other pocket camera. A glass plate attachment is furnished extra which fits interchangeably with the back cover.

The method of adjusting and removing the film spools is extremely simple, and can be accomplished safely in broad daylight.

No. 3 F. P. K. Blair Transparent Cartridge or No. 3 Folding Pocket Kodak Film, of six or twelve exposures, fits this Hawk-Eye.

The mahogany polished front bed, the nickel fittings, morocco grain leather covering, black finished shutter with nickel trimmings, and leather bellows of maroon shade create a contrast that is most pleasing to the eye.

**The best camera of the folding type at a moderate price.**



## No. 3 Folding Hawk-Eye.

Model No. 2

Dimensions, 2 x 4½ x 7⅞ inches

Size of photo, 3¼ x 4¼ inches

Weight, 24 ounces

Capacity, 12 exposures

With long focus, Extra Rapid Rectilinear Lens, rack and pinion, extension bed, rising and falling front, and Bausch & Lomb Automatic Shutter.

### Price List

No. 3 Folding Hawk-Eye, Model No. 2, not loaded	. \$22.50
Blair Transparent Cartridge Film, 6 exposures, 3¼ x 4¼	.35
Blair Transparent Cartridge Film, 12 exposures, 3¼ x 4¼	.70
Portrait Lens Attachment	.50
Black Sole Leather Carrying Case, with Shoulder Strap	1.25
Glass Plate Attachment (only)	2.50
Single Glass Plate Holder	.50

# No. 3 Folding Hawk-Eye.

## Model No. 2

With Long Focus, Extra Rapid Rectilinear Lens, Rack and Pinion, Extension Bed, Rising and Falling Front, and Bausch & Lomb Automatic Shutter.

For those who desire an outfit with the advantage of a rising and falling front and long focus lens, we furnish the No. 3 Folding Hawk-Eye, with special equipment. The lens is a double extra-rapid rectilinear, with focal length of six inches, and works at a speed of  $f: 8$ .

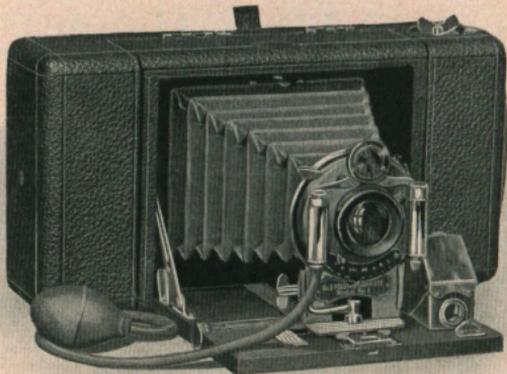
Focusing is accomplished by an extension bed that works with rack and pinion movement, and a pointer attached to the bed permits focusing in the ordinary manner by scale when the bellows is fully extended.

By use of the rising and falling front, which also operates by rack and pinion movement, unsightly foreground is not included and distortion is avoided on account of there being no necessity of pointing the camera upward.

All Folding Hawk-Eyes have tripod sockets for both vertical and horizontal pictures. Plate attachments fit interchangeably with the back covers, which permits focusing the object at full size upon the ground glass. With the many advantages included, this equipment can be used as a professional as well as an amateur outfit.

Adapted to use No. 3 F. P. K. Blair Transparent Cartridge or No. 3 Folding Pocket Kodak Film in six or twelve exposure lengths.

**Pleasing in appearance, perfect in construction, excellent in results.**



## No. 3 Combination Hawk-Eye.

Model No. 1

Dimensions,  $2\frac{1}{2} \times 4\frac{7}{8} \times 9\frac{1}{8}$  inches

Size of photo,  $3\frac{1}{4} \times 4\frac{1}{4}$

Weight, 36 ounces

Capacity, 12 exposures

With long focus, Extra Rapid Rectilinear Lens, rack and pinion, extension bed, rising and falling front, and Bausch & Lomb Automatic Shutter.

### Price List

No. 3 Combination Hawk-Eye, Model No. 1, not loaded	\$27.50
Blair Transparent Cartridge Film, 6 exposures, $3\frac{1}{4} \times 4\frac{1}{4}$	.35
Blair Transparent Cartridge Film, 12 exposures, $3\frac{1}{4} \times 4\frac{1}{4}$	.70
Portrait Lens Attachment . . . . .	.50.
Black Sole Leather Carrying Case, with Shoulder Strap	2.00
Single Glass Plate Holder . . . . .	.50

## No. 3 Combination Hawk-Eye.

Model No. 1

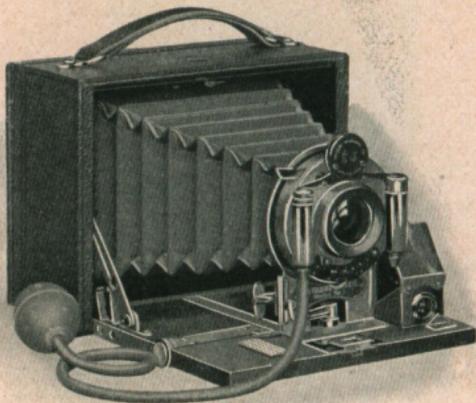
This design is entirely new, comprising features which surely will appeal to those who wish to use films and plates and have the advantage of focusing the subject full size on a ground glass.



### Method of Focusing Film.

This Hawk-Eye is so constructed that the film chamber may be removed and a plate adapter placed in its position, transforming the camera from a film to a plate outfit, or vice versa. Films and plates being in the same focal plane, only one focusing scale is required.

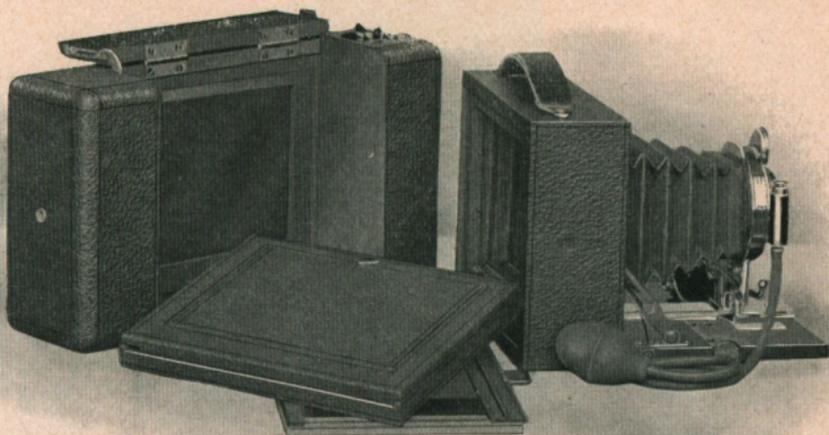
The Combination Hawk-Eye possesses all the latest improvements in film camera construction—rack and pinion for focusing, rising and falling front, allowing the unsightly foreground to be removed from a picture without pointing the camera upward, thus avoiding the ever common occurrence—distortion. None of these features are lost when it is changed from a film to a plate camera by removing the film chamber, which can be done at any time, even though the entire roll of film has not been exposed.



A Pocket Plate Camera.

As a plate outfit it is unequalled, compact and complete in every detail, and small enough to go into the pocket.

Equipped with Bausch & Lomb Automatic shutter, with speeds ranging from  $\frac{1}{100}$  of a second to one second, and extra-Rapid Rectilinear lens of 6-inch equivalent focus working at a speed of  $f: 8$ .

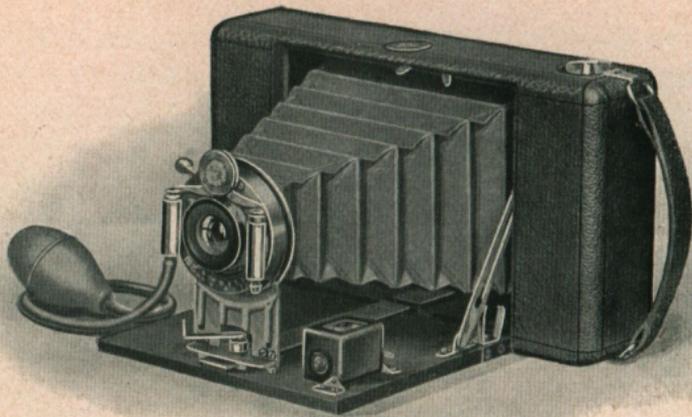


Tripod sockets for both horizontal and vertical positions are supplied, and a brilliant reversible finder allows the user to locate the subject when using as a hand camera without a tripod.

Morocco grain leather covering, polished mahogany bed, and nickel trimmings give this Hawk-Eye a rich and pleasing appearance.

Adapted to use No. 3 F. P. K. Blair Transparent Cartridge or No. 3 F. P. K. Eastman Films.

**A perfect camera for plates or films and can be readily termed "two in one."**



## No. 4 Folding Hawk-Eye.

Model No. 1

Dimensions, 2 x 5 x 8 $\frac{3}{4}$  inches  
 Size of photo, 4 x 5 inches  
 Weight, 27 ounces  
 Capacity, 12 exposures

Double Rapid Rectilinear Lens with focal length of 5 $\frac{3}{4}$  inches  
 Bausch & Lomb Automatic Shutter with retarding device.

### Price List

No. 4 Folding Hawk-Eye, Model No. 1, with Double R. R. Lens, not loaded . . . . .	\$22.50
No. 4 Folding Hawk-Eye, with Single Set Focus Achromatic Meniscus Lens, not loaded . . . . .	20.00
Blair Transparent Cartridge Film, 6 exposures, 4 x 5 . . . . .	.45
Blair Transparent Cartridge Film, 12 exposures, 4 x 5 . . . . .	.90
Portrait Lens Attachment . . . . .	.50
Black Sole Leather Carrying Case, with Shoulder Strap . . . . .	1.50
Glass Plate Attachment (only) . . . . .	2.50
Single Glass Plate Holder . . . . .	.75

# No. 4 Folding Hawk-Eye.

## Model No. 1

The No. 4 Folding Hawk-Eye is about one-half the size and weight of other film cameras making a 4 x 5 picture.

The lens furnished with the regular equipment is strictly a high grade, rapid rectilinear, thus making it possible to obtain correct exposures when conditions are not favorable.

A single set focus achromatic lens fitted to this camera makes a desirable outfit that does not require the judgment of distances or the use of a focusing scale, and produces a negative of extreme sharpness of objects eight feet or more distant.

While the single lens can not be compared with the rapid rectilinear for interiors or groups, it is thoroughly reliable and especially adapted for landscapes. Each lens has a most rigid test, and is guaranteed uniform and of great depth and covering capacity.

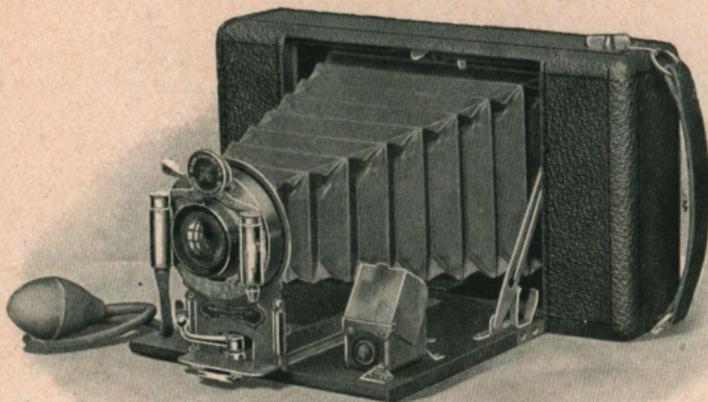
The shutter is the latest improved high grade automatic, made by the Bausch & Lomb Optical Co. This shutter is always set and operates by bulb or finger release, has Iris diaphragm and works automatically from  $\frac{1}{100}$  to 1 second, also time exposure of any duration desired.

The covering is morocco grain leather, and the wood parts of fine grain mahogany beautifully polished. The metal fittings are of nickel finish. Two tripod sockets and a reversible brilliant finder are provided.

The attachment which is supplied for those who desire to use glass plates has a spring actuating ground glass, is very compact, and fits interchangeably with the box cover.

The ruby window allows the use of No. 4 Bulls-Eye Blair Transparent Cartridge Film or No. 4 Bulls-Eye Kodak Film.

**The ideal of simplicity and the height of perfection.**



## No. 4 Folding Hawk-Eye.

Model No. 2

With Long Focus, Extra Rapid Rectilinear Lens, Rack and Pinion,  
Extension Bed, Rising and Falling Front, and Bausch &  
Lomb Automatic Shutter.

Dimensions, 2 x 5 x 8 $\frac{3}{4}$  inches

Size of photo, 4 x 5

Weight, 27 ounces

Capacity, 12 exposures

### Price List

No. 4 Folding Hawk-Eye, Model No. 2, not loaded . . .	\$27.50
Blair Transparent Cartridge Film, 6 exposures, 4 x 5 . . .	.45
Blair Transparent Cartridge Film, 12 exposures, 4 x 5 . . .	.90
Portrait Lens Attachment . . . . .	.50
Black Sole Leather Carrying Case, with Shoulder Strap . . . . .	1.50
Glass Plate Attachment (only) . . . . .	2.50
Single Glass Plate Holder . . . . .	.75

# No. 4 Folding Hawk-Eye.

## Model No. 2

The most up-to-date, compact, complete and perfect outfit shown by any manufacturer, having every convenience a user could wish for on a small hand camera. Equipped with a Bausch & Lomb Automatic shutter with Iris diaphragm, and variable speeds from one second to  $\frac{1}{100}$ , also time and bulb. The lens is the best grade of extra rapid rectilinear type, being  $6\frac{1}{2}$  inches equivalent focus, and working at a speed of  $f:8$ . Rack and pinion for focusing, also a rising and falling front worked by means of a rack and pinion, help to make this Hawk-Eye the most popular 4 x 5 hand camera made.

The No. 4 Folding Hawk-Eye has a reversible brilliant finder, and tripod sockets for vertical and horizontal pictures. The plate attachment fits interchangeably with the back cover, which permits focusing on the ground glass when using dry plates.

Adapted to use No. 4 Bulls-Eye Blair Transparent Cartridge Film or No. 4 Bulls-Eye Kodak Film in six or twelve exposure lengths.

**Designed for the amateur who aspires to landscape, portraiture, and interior photography.**



## Stereo Hawk-Eye.

Model No. 1

A Daylight Loading Stereo Outfit Complete, in Pocket Form,  
Guaranteed to Produce Perfect Perspective.

Dimensions,  $1\frac{7}{8} \times 4\frac{3}{8} \times 10\frac{1}{4}$  inches

Size of Photo, Standard Stereo

Weight, 28 ounces

Capacity, 6 exposures

Double Rapid Rectilinear lens with focal length of 5 inches.

### Price List

Stereo Hawk-Eye, Model No. 1, with Automatic Shutter and Double R. R. Lenses, not loaded . . . . .	\$25.00
Black Sole Leather Carrying Case, with Shoulder Strap . . . . .	1.50
Blair Transparent Cartridge Film, 3 exp. for Stereo, $3\frac{1}{4} \times 4\frac{1}{4}$ . . . . .	.35
Blair Transparent Cartridge Film, 6 exp. for Stereo, $3\frac{1}{4} \times 4\frac{1}{4}$ . . . . .	.70
Glass Plate Attachment (only) . . . . .	3.50
Single Glass Plate Holders . . . . .	1.00

## Stereo Hawk-Eye.

In the branch of photography for which this Hawk-Eye is designed realistic observation is produced by the use of two lenses, making two pictures at the same time, which when transposed and viewed through a stereoscope, produce actual visual effects, thus giving the same impression as when looking at the things themselves.

The Stereo Hawk-Eye is less than one-half the size of any other camera offered for making stereographs, and is the only camera making negatives of correct stereo size accurately matched.

The lenses are double rapid rectilinear of exactly the same focal length and speed, thus obtaining the same perspective, and consequently negatives of the same density corresponding in every detail.

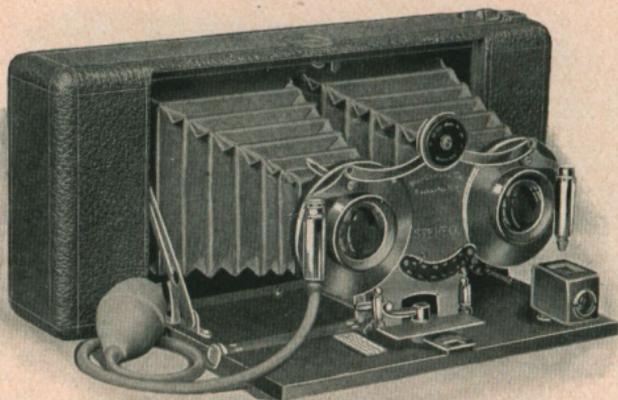
The shutter is a double automatic with Iris diaphragm, is always set, and permits making instantaneous or time exposures with both lenses at the same time and of the same duration.

A lens cap is furnished which allows making regular photographs  $3\frac{1}{4} \times 3\frac{1}{4}$  inches. A socket for tripod and brilliant finder for centering the object are provided. The trimmings are nickel, the wood parts of polished mahogany, the covering of the best morocco grain leather, and the camera throughout is beautifully finished.

A ruby window which is fitted in the back allows the use of Blair Transparent Cartridge Film of twelve exposures,  $3\frac{1}{4} \times 4\frac{1}{4}$ , which is of sufficient length for six stereo negatives or six exposures length for three stereo negatives.

Stereograph film negatives can be transposed before printing, thus avoiding the necessity of making the print in two parts, and is a decided advantage over glass negatives.

Realistic results produced by stereographs.



## Stereo Hawk-Eye.

Model No. 2

With Bausch & Lomb Auto Stereo shutter with variable speeds from  $\frac{1}{100}$  to 1 second. Time, Bulb and Instantaneous exposures. Extra Rapid Rectilinear Lens, 5-inch Focus. Speed,  $f: 8$ . Rack and pinion for focusing, also rising front.

Dimensions, weight and capacity of camera same as described on page 26.

### Price List

Stereo Hawk-Eye, Model No. 2, with Bausch & Lomb Auto Stereo Shutter, Extra R. R. Lenses, not Loaded . . . . .	\$35.00
Blair Transparent Cartridge Film, 3 exp. for Stereo, $3\frac{1}{4} \times 4\frac{1}{4}$ . . . . .	.35
Blair Transparent Cartridge Film, 6 exp. for Stereo, $3\frac{1}{4} \times 4\frac{1}{4}$ . . . . .	.70
Black Sole Leather Carrying Case . . . . .	1.50
Glass Plate Attachment (only) . . . . .	3.50
Single Glass Plate Holder . . . . .	1.00

# Stereo Hawk-Eye.

## Model No. 2

The Stereo Hawk-Eye, Model No. 2, is similar to the Model No. 1, described on page 27, but is equipped with a Bausch & Lomb Automatic shutter with variable speeds from  $\frac{1}{100}$  of a second to one second, also time and bulb. The lenses are extra Rapid Rectilinear, 5-inch equivalent focus and working at a speed of  $f: 8$ .

Focusing is easily and quickly accomplished by the rack and pinion, and a rising front is provided to enable the user to cut out the unsightly foreground. Stereographs are becoming more and more popular since they can be made by any amateur, the process being very simple when using a Stereo Hawk-Eye and Daylight Loading Film cartridges. Many people do not know the difference between a stereograph and a photograph. Photographs are made through a single lens opening and show the object or view as seen with one eye closed; thus what might be termed a one-eyed vision is obtained. Photographs recall many pleasant recollections and aid us to piece out incomplete vision with the help of memory and comparison. The stereograph is made with two lenses, the distance between them equalling the average distance between a person's eyes; thus the same impression is taken as in direct vision, and while the result from one lens seems a duplicate of the other, such is not the case. A stereoscope composed of two obliquely set stereoscopic lenses is necessary to combine the two impressions in one and permit the viewing of the stereograph through both eyes, thus experiencing the sensation of actually looking at the things themselves. Stereographs give the very same visual impression that we should receive in the presence of the actual things. In fact, they allow seeing things as they are, thus producing perfect perspective.

## Hawk-Eyes Fitted with Lenses of the Highest Grade.

(The prices given in this table are net.)

STYLE CAMERA	B. & L. Automatic Shutter and Plastigmat Lens	B. & L. Automatic Shutter and Series VIIa Zeiss Lens
No. 3 Folding Hawk-Eye, Model No. 2	No. 1 Lens, \$52.15	No. 4 Lens, \$76.15
No. 4 Folding Hawk-Eye, Model No. 2	No. 2 Lens, 62.40	No. 4 Lens, 80.45
No. 3 Combination Hawk-Eye .....	No. 1 Lens, 56.65	No. 4 Lens, 80.65

STYLE CAMERA	B. & L. Automatic Shutter and Series III Goerz Lens	B. & L. Automatic Shutter and Type B Series 1c Goerz Lens
No. 3 Folding Hawk-Eye, Model No. 2	No. 0 Lens, \$52.15	No. 0 Lens, \$44.45
No. 4 Folding Hawk-Eye, Model No. 2	No. 1 Lens, 63.15	No. 1 Lens, 51.95
No. 3 Combination Hawk-Eye .....	No. 0 Lens, 56.65	No. 0 Lens, 49.00

Stereo Hawk-Eye, B. & L. Stereo Shutter and No. 0 Series 3 Goerz Lenses, \$97.30  
 Stereo Hawk-Eye, B. & L. Stereo Shutter and No. 1 Plastigmat Lenses..... 95.50

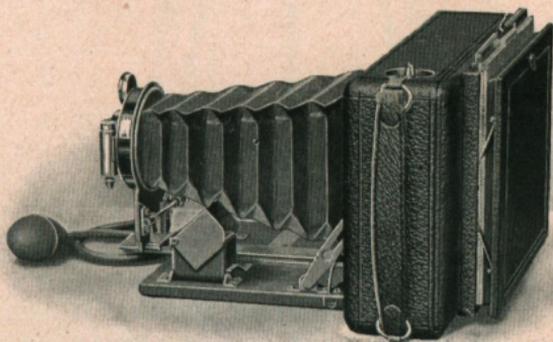
STYLE CAMERA	Volute Shutter and Plastigmat Lens	Volute Shutter and Series VIIa Zeiss Lens
No. 3 Folding Hawk-Eye, Model No. 2	No. 1 Lens, \$66.45	No. 4 Lens, \$90.45
No. 4 Folding Hawk-Eye, Model No. 2	No. 2 Lens, 76.70	No. 4 Lens, 94.75
No. 3 Combination Hawk-Eye.....	No. 1 Lens, 70.95	No. 4 Lens, 94.95

STYLE CAMERA	Volute Shutter and Series III Goerz Lens	Volute Shutter and Type B Series 1c Goerz Lens
No. 3 Folding Hawk-Eye, Model No. 2	No. 0 Lens, \$66.45	No. 0 Lens, \$58.75
No. 4 Folding Hawk-Eye, Model No. 2	No. 1 Lens, 77.45	No. 1 Lens, 66.25
No. 3 Combination Hawk-Eye .....	No. 0 Lens, 70.95	No. 0 Lens, 63.30



Plate Attachment Showing  
Holder Inserted.

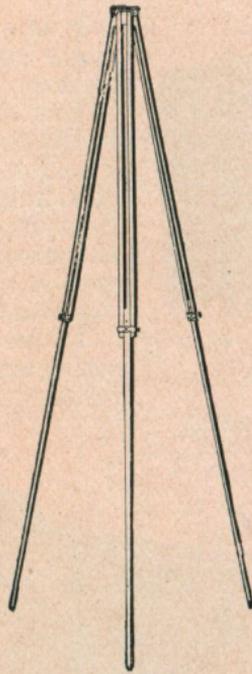
It is often found desirable to make but one exposure for immediate development. In view of this we furnish plate attachments for the No. 3 and No. 4 Folding Hawk-Eyes, models Nos. 1 and 2, and Stereo Hawk-Eyes, models Nos. 1 and 2, which fit interchangeably with the back covers, thus making the outfit a combined film and plate camera. These attachments have a spring actuating ground glass for focusing full size negative.



Folding Hawk-Eye, Showing Extension Bed and Plate Attachment.

### Price List

Plate Attachment only, Nos. 3 and 4 Folding Hawk-Eye, models No. 1 and No. 2 . . . . .	\$2.50
Single Holders, $3\frac{1}{4} \times 4\frac{1}{4}$ , each . . . . .	.50
Single Holders, $4 \times 5$ , each . . . . .	.75
Plate Attachment only for Stereo . . . . .	3.50
Plate Holders for Stereo, each . . . . .	1.00



### Weno Tripod.

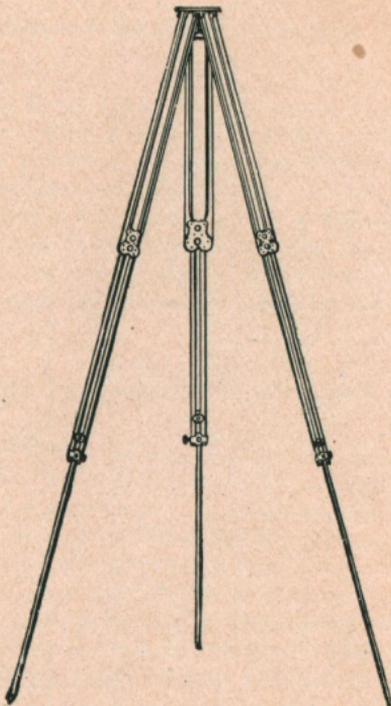
This tripod is designed for use with small cameras. The top is attached to the legs in such a manner that it is not necessary to remove when folding, which is an advantage, as the tripod is always ready for use.

The wood used is straight grain spruce, with shellac finish, the trimmings of lacquered brass.

The weight complete, with head and screw, is but 17 ounces.

The length when extended can be made to vary from 34 to 54 inches. The length when folded is but 29½ inches.

Price . . . . . \$ .90



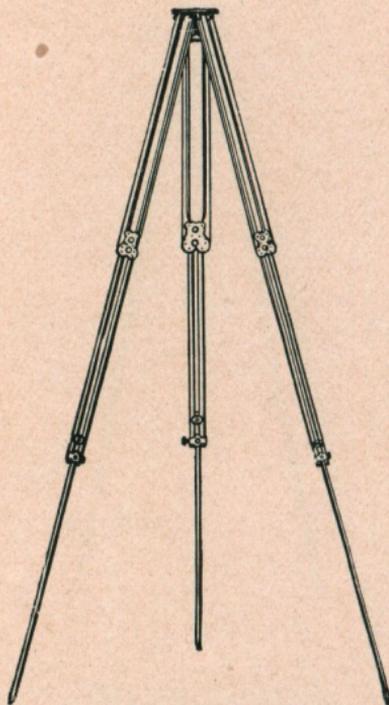
### Hawk-Eye Tripod.

This tripod is three-fold and very compact. In its manufacture nothing but the best selected straight grain spruce is used, and all trimmings are of lacquered brass. A special feature is the metal head, which is made in one piece, which does away with brazing and avoids all possibility of being easily broken. The length when extended is 56 inches ; when folded, 21 inches ; weight, 20 ounces.

The construction is such that for weight this is, without question, the most rigid in existence.

We recommend this tripod for use with any camera up to and including 5 x 7 in size.

Price . . . . . \$1.60



### Special Hawk-Eye Tripod.

The wood parts of this tripod are of maple. Furnished either natural wood or mahogany finish. In construction it is similar and in dimensions the same as the Hawk-Eye tripod described on preceding page. Furnished with metal or wooden head as desired. This tripod is very rigid, and the beautiful finish makes it very desirable for use with high-grade outfits. Weight, 30 ounces.

Price . . . . . \$1.70

## Perforated Daylight Loading Film

	6 ex.	12 ex.
2 x 2½ for Baby Hawk-Eye.....	\$	\$ .40
3½ x 3½ for No. 2 Weno, Tourist, or Hawk-Eye, Jr.....	.30	.60
3¼ x 4¼ for No. 3 Folding, No. 3 Focusing Hawk-Eye, or No. 3 Combination Hawk-Eye.....	.35	.70
4 x 5 for No. 4 Weno, No. 4 Folding, No. 4 Focusing, 4 x 5 Hawk-Eye, Jr., or Tourist Hawk-Eye .....	.45	.90

In ordering film always state the style of Hawk-Eye for which it is intended. All Perforated Film is especially prepared for use in the Kodak daylight developing machine.

## Blair Transparent Cartridge Film

	6 ex.	12 ex.
1½ x 2 for Pocket Kodak.....	\$	\$ .25
2¼ x 2¼ for No. 1 Brownie .....	.15	
2¼ x 3¼ for No. 2 Brownie.....	.20	
1½ x 2½ for No. 0 Folding Pocket Kodak.....	.15	.25
2¼ x 3¼ for No. 1 Folding Pocket Kodak.....	.20	.40
2½ x 4¼ for No. 1-A Folding Pocket Kodak.....	.25	.50
*3¼ x 4¼ for No. 3 Weno Hawk-Eye, Stereo Hawk-Eye, No. 3 Combination Hawk-Eye or No. 3 Focusing Hawk-Eye, No. 3 Folding Pocket Kodak or No. 3 Buck-Eye.....	.35	.70
*3½ x 3½ for Hawk-Eye, Bulls-Eye, Bullet or Buck-Eye	.30	.60
4 x 5 for Hawk-Eye, Bulls-Eye, Bullet or Buck-Eye	.45	.90
4¼ x 3¼ for No. 3 Cartridge Kodak .....	.35	.70
5 x 4 for No. 4 Cartridge Kodak.....	.45	.90
7 x 5 for No. 5 Cartridge Kodak.....	.80	1.60
3¼ x 5½ for No. 3-A Folding Pocket Kodak, 6 ex. 40c.; 10 ex. 70c.		

\*Note—3¼ x 4¼ and 3½ x 3½—6 exposure lengths supplied on regular size spools. Small flange spool supplied when specified.

**When ordering film state whether you desire the Blair Transparent (numbers on back) or Perforated.**

## Hawk-Eye Developing Trays

These trays are light in weight, tough and strong, and are not affected by the action of chemicals; are easily kept clean, have ridges on the bottom, and we recommend them for amateurs' use.

3 1/4 x 4 1/4.....\$ .20      4 x 5.....\$ .25      5 x 8.....\$ .50

## Polished Rubber Trays

The indentations permit the finger to be inserted freely under the plate without any danger of scratching.

4 x 5 .....\$ .35      6 1/2 x 8 1/2.....\$. 83  
5 x 8......65      8 x 10..... 1.25

## Hard Rubber Developing Trays

Of the best quality of hard rubber, with bound corners and a lip for pouring. They are a superior article.

4 x 5 .....\$ .55      8 x 10.....\$1.25  
5 x 8 ..... .80      10 x 12..... 1.85  
6 1/2 x 8 1/2..... .95

## Carrying Cases

Made of black sole leather, including shoulder strap, and first-class in every way.

No. 2 Weno Hawk-Eye.....\$1.25  
No. 3 Weno Hawk-Eye ..... 1.50  
No. 4 Weno Hawk-Eye..... 1.50  
No. 3 Folding Hawk-Eye, Model No. 1 ..... 1.25  
No. 3 Folding Hawk-Eye, Model No. 2 ..... 1.25  
No. 3 Combination Hawk-Eye, Model No. 1..... 2.00  
No. 4 Folding Hawk-Eye, Model No. 1..... 1.50  
No. 4 Folding Hawk-Eye, Model No. 2..... 1.50  
Stereo Hawk-Eye, Model No. 1 ..... 1.50  
Stereo Hawk-Eye, Model No. 2 ..... 1.50

## Azo

An ideal amateur paper. Prints and develops quickly by artificial light.

3½ x 3½ .....	2 dozen	\$ .20,	gross \$1.15
4 x 5 .....	2 "	.25, "	1.25
5 x 7 .....	"	.30, "	2.65
5 x 8 .....	"	.30, "	3.00

## Kloro Printing-Out Paper

Brilliant high lights, silky half tones, rich, transparent shadows.

3½ x 3½ .....	2 dozen	\$ .20,	gross \$1.15
3¼ x 4¼ .....	2 "	.20, "	1.15
4 x 5 .....	2 "	.25, "	1.25
5 x 7 .....	1 "	.30, "	2.65

Quotations for other sizes on application.

## Blue Print Paper

Quickly printed and easily handled. This paper possesses peculiar and characteristic properties found in no other brand.

3½ x 3½ .....	25 sheets,	per package \$ .16
3¼ x 4¼ .....	25 "	" " " .16
4 x 5 .....	25 "	" " " .20
5 x 7 .....	25 "	" " " .35

## Glass Dry Plates

Very rapid for instantaneous work.

3¼ x 3¼ .....	\$ .35
3½ x 3½ .....	.35
3¼ x 4¼ .....	.35
4 x 5 .....	.65
5 x 7 .....	1.10

## Hub Developing Powders

These powders are carefully compounded, and those using them can feel assured of obtaining the best of results. We recommend them for the development of our film. Each package will make four ounces.

Price, per dozen .. . . . \$ .50



## Hub Magnesium Flashlight Powder

This powder enables one to make exposures at night without the use of a flash lamp or other apparatus, and is supplied at a price within the reach of all. The method of using this powder is perfectly safe and the operator can join the group if desired. Packed in separate cartridges of one exposure each.

Box containing 7 cartridges.....\$ .25

### Plate Holders

In ordering plate holders it is always best to mention the camera in which they are to be used, so as to avoid the possibility of delay or error. All holders are made of selected cherry, and the slides can be furnished either of water-proof cardboard or hard rubber.

Size	With Board Slides	With Rubber Slides	Size	With Board Slides	With Rubber Slides
$3\frac{1}{4} \times 3\frac{1}{4}$	Single Stereo Single	\$.60	5 x 8	\$1.35	\$1.60
$3\frac{1}{4} \times 4\frac{1}{4}$		.50	$6\frac{1}{2} \times 8\frac{1}{2}$	1.60	2.00
$3\frac{1}{4} \times 6\frac{1}{2}$		1.00	8 x 10	1 85	2.40
4 x 5	Single	.75	10 x 12		3.50
4 x 5		1.00	11 x 14		4.00
5 x 7		1.25			

### Slides for Holders

Size	Board	Polished Hard Rubber	Size	Board	Polished Hard Rubber
$3\frac{1}{4} \times 3\frac{1}{4}$	\$.10	\$.15	5 x 5	\$.10	\$.25
$3\frac{1}{4} \times 4\frac{1}{4}$	.10	.15	$6\frac{1}{2} \times 8\frac{1}{2}$	.15	.30
$3\frac{1}{4} \times 6\frac{1}{2}$	.10	.20	8 x 10	.15	.40
4 x 5	.10	.20	10 x 12	.20	.50
5 x 7	.10	.25	11 x 14	.25	.55

### Printing Frames

(Heavy Weight)

$4\frac{1}{4} \times 5\frac{1}{2}$ .....\$ .40	10 x 12 .....\$1.00
5 x 8 ..... .52	11 x 14 ..... 1.80

## Special Printing Frames

(Extra Light Weight.)

3 1/4 x 3 1/4 ..... \$ .25      3 1/2 x 3 1/2 ..... \$ 25

## Developing and Printing

Size	Developing, Printing, and Mounting— 12 Exposures	Developing Only	Printing and Mounting	Developing, Printing and Mounting
2 x 2 1/2	\$ .80	\$ .03	\$ .04	\$ .07
3 1/2 x 3 1/2	1.50	.06	.08	.12 1/2
3 1/4 x 4 1/4	1.50	.06	.08	.12 1/2
4 x 5	1.80	.08	.10	.15
5 x 7	2.40	.08	.12 1/2	.20

## Outfits for Developing and Printing

To save time and trouble in selecting the articles needed for developing and printing, we furnish outfits including everything necessary at far below the cost if furnished separately.

### 3 1/2 x 3 1/2 FOR FILM OR PLATES

1 Candle Lamp.....	\$ .25	1/4 lb. Hyposulphite of Soda.....	\$ .04
4 Developing Trays.....	.40	1 dozen Sheets Printing Paper ...	.15
1 Glass Beaker.....	.12	1 Bottle Toning Solution.....	.10
1 3 1/2 x 3 1/2 Printing Frame.....	.25	1 Pkg. Bromide of Potassium.....	.10
1 3 1/2 x 3 1/2 Glass.....	.05	1 Bottle Glycerine.....	.05
1 Stirring Rod.....	.05	Directions.....	.10
1/4 dozen Developing Powders....	.15		
		<b>\$1.81</b>	

Price, complete..... \$1.00

### 4 x 5 FOR FILM OR PLATES

1 Candle Lamp.....	\$ .25	1/2 lb. Hyposulphite of Soda.....	\$ .07
1 4 x 5 Printing Frame.....	.25	1/2 oz. Bromide Potassium.....	.10
1 4 x 5 Glass.....	.05	2 dozen 4 x 5 Printing Paper.....	.25
1 Glass Beaker.....	.12	2 ozs. Toning Solution.....	.15
1 Stirring Rod.....	.05	1 oz. Glycerine.....	.05
4 4 x 5 Developing Trays.....	.40	Directions.....	.10
1/2 dozen Developing Powders.....	.25		
		<b>\$2.09</b>	

Price, complete..... \$1.50

# TERMS

The prices as given are net except to dealers.

Remittance should be made by draft on New York, express order, postal order, or registered mail. Amounts less than one dollar may be remitted in stamps. We do not accept personal checks.

Parties unknown to us desiring shipment C. O. D. must remit one-third the estimated amount of invoice with the order.

Small parcels which do not contain glass in any form can be sent by mail at risk of the purchaser. We do not pay postage—remit when ordering.

All our goods are packed carefully, and we cannot be held responsible for any damage after a package leaves our hands.

No charge is made for packing, and prices are f. o. b. at Rochester.

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**BLAIR CAMERA COMPANY,**  
ROCHESTER, N. Y.

# HAWK-EYE CAMERAS

— ARE —  
PERFECT  
CAMERAS

**BLAIR  
CAMERA  
CO.  
ROCHESTER,  
N.Y.**

**KIRK, GEARY & CO.,**  
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**Sacramento, Cal.    San Francisco, Cal.**